

Table W-1

- Period from August 4 to August 31, 1943

## State of Montana

Location and time of operation of each loadometer station,  
and number of vehicles counted and number weighed at each.

See English 10-21-43

Station number	Route number	Description of station location	Time of operation				Total vehicles counted		Civilian trucks and combinations			Remarks
			Year	Month and day	Day of week	Hours	Military	Civilian	Number counted	Number weighed	Percent weighed	
7	US 10 & US 93	Southeasterly leg of the 3-way junction of US 10 and US 93 west of Missoula	1943	8/6	Fri.	2PM	15	341	46	37	80.43	
			1942	8/7	Fri.	10PM	1	621	103	88	85.44	
9	US 10	US 10 just west of the junction of US 10 and US 10 A in Drummond	1943	8/5	Thur.	6AM		206	50	40	80.00	
			1942	8/6	Thur.	2PM	1	375	73	64	87.67	
11	US 10S & US 91	Easterly leg of the 3-way junction of US 10S and US 91 at Nissler	1943	8/10	Tue.	6AM		603	139	96	69.06	
			1942	8/11	Tue.	2PM		712	164	143	87.20	Gravel hauling
13	US 91	Southeasterly leg of the 3-way junction of US 91 and Mont. 41 northeast of Dillon	1943	8/9	Mon.	2PM		305	83	48	57.83	
			1942	8/10	Mon.	10PM	2	419	100	91	91.00	Hauling stock feed
17	US 10S	Westerly leg of the 3-way junction of US 10S and Mont. 41 west of Whitehall.	1943	8/11	Wed.	2PM	62	280	48	48	100.00	
			1942	8/12	Wed.	10PM	1	465	69	69	100.00	
30	US 310	Northeasterly leg of the 3-way junction of US 12 and US 310 at Rockvale	1943	8/18	Wed.	6AM	60	326	141	111	78.72	Grain hauling
			1942	8/19	Wed.	2PM	1	389	155	142	91.61	
36	US 89 & US 91	On US 89 and US 91 about 1.1 miles west of Great Falls	1943	8/27	Fri.	6AM	9	456	150	139	92.67	
			1942	8/28	Fri.	2PM	2	518	228	222	97.37	Airport const.

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Period from August 4 to August 31, 1943

Station number	Route number	Description of station location	Time of operation				Total vehicles counted		Civilian trucks and combinations			Remarks
			Year	Month	Day of week	Hours	Military	Civilian	Number	Number	Percent	
									counted	weighed	weighed	
41	US 10 & US 12	Southwesterly leg of the 3-way junction of US 10 and US 12 east of Miles City	1943	8/19	Thur.	6AM		179	59	55	93.22	
			1942	8/20	Thur.	2PM		333	92	69	75.00	
43	US 10	Easterly leg of the 3-way junction of US 10 and Mont. 18 west of Glendive	1943	8/20	Fri.	2PM		327	110	77	70.00	Grain hauling
			1942	8/21	Fri.	10PM		507	142	115	80.99	
45	US 2	Easterly leg of the 3-way junction of US 2 & Mont. 16 at Culbertson	1943	8/23	Mon.	6AM		135	66	66	100.00	
			1942	8/24	Mon.	2PM		131	52	45	86.54	
50	Mont. 29	On Mont. 29 about 5.35 miles northeast of city limits of Great Falls	1943	8/31	Tues.	6AM	35	191	72	69	95.83	Stock sale in Gt. Falls
			1942	9/1	Tues.	2PM		294	69	69	100.00	Airport const.
51	US 87 & US 89	Southeasterly leg of the 3-way junction of US 87 and US 89 and the 10th Ave. So. Bypass	1943	8/30	Mon.	6AM	11	415	101	100	99.01	
			1942	8/31	Mon.	2PM	9	540	119	114	95.80	
53	US 87	Southerly leg of the 3-way junction of US 87 and Mont. 18 north of Grass Range.	1943	8/16	Mon.	2PM		119	44	21	47.73	Grain haul.
			1942	8/17	Mon.	10PM		183	66	66	100.00	
54	US 10	On US 10 northeast of Billings	1943	8/13	Fri.	2PM		714	173	80	46.24	
			1942	8/14	Fri.	10PM	3	961	189	188	99.47	Midland Empire Fair

Table W-1 (cont'd)  
State of Montana

Period from August 4 to August 31, 1943

Location and time of operation of each loadometer station,  
and number of vehicles counted and number weighed at each.

Station number	Route number	Description of station location	Time of operation	Total vehicles counted	Civilian trucks and combinations	Percent	Remarks
			Month : Day of : Year : and day : week : Hours :	Military :	Civilian : counted :	Number : Number : weighed : weighed :	
55	US 10N & US 91	Westerly leg of the 3-way junction of US 10N and US 91 just east of Helena	1943: 8/4 : Wed. : 6AM : 1942: 8/5 : Wed. : 2PM :	14 : 495 : 10 : 672 :	74 : 53 : 105 : 91 :	71.62 : 86.67 :	Circus Day
56	US 10 & US 89	Westerly leg of the 3-way junction of US 10 and US 89 at Livingston	1943: 8/12 : Thur. : 2PM : 1942: 8/13 : Thur. : 10PM :	252 : 459 :	62 : 34 : 80 : 68 :	54.84 : 85.00 :	
57	US 10	On US 10 west of Laurel	1943: 8/17 : Tues. : 2PM : 1942: 8/18 : Tues. : 10PM :	436 : 657 :	92 : 72 : 129 : 118 :	78.26 : 91.47 :	Grain hauling
58	US 2	On US 2 west of Glasgow	1943: 8/24 : Tues. : 6AM : 1942: 8/25 : Tues. : 2PM :	7 : 114 : 1 : 540 :	51 : 51 : 303 : 295 :	100.00 : 97.36 :	Airport const.
59	US 2	ON US 2 west of Havre	1943: 8/25 : Wed. : 6AM : 1942: 8/26 : Wed. : 2PM :	4 : 206 : 297 :	51 : 51 : 76 : 69 :	100.00 : 90.79 :	
60	US 2	On US 2 west of Shelby	1943: 8/26 : Thur. : 6AM : 1942: 8/27 : Thur. : 2PM :	2 : 158 : 2 : 229 :	50 : 48 : 74 : 65 :	96.00 : 87.84 :	Cloudy & rain.

Table W-2

Period from Aug. 4 to Aug. 31, 1943

## State of Montana

Number and percent of vehicles of each type counted  
at 20 loadometer stations during the period  
from Aug. 4, to Aug. 31, 1943 compared to similar data for 1942.

Type of Vehicle	Number counted during			Percent of total		
	the period			civilian vehicles		
	1943	1942	1943:1942	1943	1942	1943:1942
<b>Military vehicles</b>	:	:	:	:	:	:
Passenger cars	15	21	0.714	:	:	:
Single-unit trucks	204	12	17.000	:	:	:
Tractor-truck and semitrailer combinations	:	:	:	:	:	:
Trucks with trailed loads	:	:	:	:	:	:
Busses	:	:	:	:	:	:
Other vehicles	:	:	:	:	:	:
Total Military	219	33	6.636	:	:	:
<b>Civilian vehicles</b>	:	:	:	:	:	:
Local passenger cars	3836	5367	0.715	61.30	57.70	1.062
Foreign passenger cars	668	1471	0.454	10.67	15.81	.675
Subtotal passenger cars	4504	6838	0.659	71.97	73.51	.979
Single-unit trucks (light)	1293	1871	0.691	20.66	20.11	1.027
Single-unit trucks (medium)	55	151	0.364	0.88	1.62	.543
Single-unit trucks (heavy)	21	11	1.909	0.34	0.12	2.833
Tractor-truck and semitrailer combinations	197	232	0.849	3.15	2.50	1.260
Truck and trailer combinations	96	123	0.780	1.53	1.32	1.159
Subtotal trucks and combinations	1662	2388	0.696	26.56	25.67	1.035
Busses	92	76	1.211	1.47	.82	1.793
Total civilian	6258	9302	0.673	100.00	100.00	1.000

Table W-3

State of Montana

Percentages loaded and empty and average total weights, average, empty weights, and average maximum axle load of civilian trucks and combinations of each type at 20 loadometer stations during the period from Aug. 4 to Aug. 31, 1943 compared to corresponding data for 1942.

Period from Aug. 4  
to Aug. 31, 1943

Vehicle type and survey year	Loaded and empty vehicles			Loaded vehicles			Empty vehicles		
	Percent of:			Percent of:			Percent of:		
	Distri- bution by type <sup>1</sup>	Average weight	total loaded and empty of each type	Distri- bution by type	Average weight	Average maximum axle load	Distri- bution by type	Average weight	empty
	percent	pounds	percent	percent	pounds	pounds	percent	percent	pounds
Single-unit trucks (light)									
1943	77.80	6,844	43.98	69.80	9,476	6,697	56.02	85.50	4,777
1942	78.35	7,807	37.14	72.02	12,290	9,180	62.86	82.64	5,159
Ratio 1943:1942	.993	.877	1.184	.969	.771	.730	.891	1.035	.926
Single-unit trucks (medium)									
1943	3.31	15,533	70.83	4.78	17,603	11,288	29.17	1.90	10,507
1942	6.32	15,245	45.90	7.18	20,659	12,564	54.10	5.74	10,652
Ratio 1943:1942	.524	1.019	1.543	.666	.852	.898	.539	.331	.986
Single-unit trucks (heavy)									
1943	1.26	23,150	78.57	2.02	25,291	11,745	21.43	.53	15,300
1942	.46	21,283	33.33	.38	25,550	9,000	66.67	.52	19,150
Ratio 1943:1942	2.739	1.088	2.357	5.32	.990	1.305	.321	1.019	.799
Tractor-Truck semitrailers									
1943	11.85	30,232	62.73	15.16	37,390	15,180	37.27	8.66	18,182
1942	9.72	29,030	54.75	13.17	38,150	15,315	45.25	7.38	17,994
Ratio 1943:1942	1.219	1.041	1.146	1.151	.980	.991	.824	1.173	1.010
Truck and trailers									
1943	5.78	44,514	69.89	8.24	53,983	14,335	30.11	3.41	22,532
1942	5.15	38,339	56.91	7.25	50,159	13,714	43.09	3.72	22,728
Ratio 1943:1942	1.122	1.161	1.228	1.137	1.076	1.045	.699	.917	.991
Total all types									
1943	100.00	12,286	49.54	100.00	18,083	8,934	50.46	100.00	6,708
1942	100.00	11,974	40.50	100.00	19,093	10,559	59.50	100.00	7,148
Ratio 1943:1942	1.000	1.026	1.223	1.000	.947	.846	.848	1.000	.938

1. Distribution by type of the total civilian trucks and combinations counted during the period, calculated from table W-2.

Table W-4

State of MontanaPeriod from August 4 to August 31, 1943

Number of axle loads of various magnitudes  
per 100 loaded and empty civilian trucks and  
combinations of each type at 20 loadometer stations  
during the period from August 4 to August 31, 1943  
compared to corresponding data for 1942.

Axle load in pounds	Single-unit trucks						Tractor-truck		Truck and		All trucks and	
	Light		Medium		Heavy		semitrailers		trailers		combinations	
	1943	1942	1943	1942	1943	1942	1943	1942	1943	1942	1943	1942
Under - 8,000	143.85	140.14	5.38	10.83	1.62	.84	23.11	21.11	12.80	12.90	186.76	185.82
8,000 - 8,499	.79	1.23	.07	.10	.18	.23	1.03	.44	.93	1.00	3.00	3.00
8,500 - 8,999	1.19	.91	.07	.10	.27	.15	.74	.44	1.43	.67	3.70	2.27
9,000 - 9,499	1.03	.32	.14	.16	.36		.51	.40	1.12	.59	3.16	1.47
9,500 - 9,999	1.19	.78	.07	.31	.18	.08	.44	.40	1.06	.67	2.94	2.24
10,000 - 10,999	2.23	1.91	.34	.78	.09		1.40	.92	1.99	1.09	6.05	4.70
11,000 - 11,999	2.15	1.23	.27	.73	.27	.08	1.62	1.23	1.74	1.13	6.05	4.40
12,000 - 12,999	1.27	1.60	.28	.21	.09		2.35	1.80	1.12	1.05	5.11	4.66
13,000 - 13,999	1.19	.78	.14	.36	.18		2.28	1.27	1.06	.63	4.85	3.04
14,000 - 14,999	.95	1.73	.27	.26	.09		1.32	.88	1.49	.79	4.12	3.66
15,000 - 15,999	.40	4.38	.21	.21	.09		1.99	1.36	1.12	.88	3.81	6.83
16,000 - 16,999	.24	1.05	.07	.05			1.47	1.19	1.18	.54	2.96	2.83
17,000 - 17,999		.64	.07	.10			2.14	1.49	.56	.84	2.77	3.07
18,000 - 18,999	.08	.05		.05	.09		.81	.53	.68	.38	1.66	1.01
19,000 - 19,999		.18	.07				.22	.40		.08	.29	.66
20,000 - 21,999				.10			.15	.09		.04	.15	.23
22,000 - 23,999				.05								.05
24,000 - 25,999				.05								.05
Total	156.56	156.93	7.45	14.45	3.51	1.38	41.58	33.95	28.28	23.28	237.38	229.99

State of Montana

Period from Aug. 4  
to Aug. 31, 1948

[illegible]

Table W-6

State of Montana

Period from Aug. 4 to Aug. 31, 1943

Listing showing total weight, axle loads, and axle spacing  
of single-unit trucks weighing 13 tons or more and of  
combinations weighing 17 tons or more at 20 loadmeter  
stations during the period from Aug. 4 to Aug. 31, 1943.

Vehicle type designation	: Total Weight	: Axle loads						: F	: Axle spacing					: Wheel: base	: Maximum value of c <sup>1</sup> : Value	: Axle group <sup>2</sup>	: Station at which weighed
	(pounds)	A	B	C	D	E	F	(pounds)	A-B	B-C	C-D	D-E	E-F	(feet)			
2x20	: 36300:	5900	: 12800:	8600	: 9000	:	:	:	13.5	: 16.9:	3.7	:	:	34.1	: 502	: B-D	: 7
2x10	: 37300:	4600	: 16000:	16700	:	:	:	:	13.4	: 15.9:	:	:	:	29.3	: 585	: B-C	: 7
3003	: 63500:	8100	: 13200:	13200	: 11300	: 8900	: 8800	:	17.6	: 4.5:	14.5	: 13.9:	4.2	54.7	: 719	: B-F	: 7
3002	: 36600:	8200	: 8300:	8800	: 5100	: 6200	:	:	18.3	: 4.0:	12.9	: 13.5:	:	48.7	: 413	: A-E	: 7
3003	: 38600:	6700	: 7300:	7600	: 8600	: 4500	: 3900	:	13.7	: 4.2:	17.7	: 13.0:	4.2	52.8	: 416	: A-F	: 7
3003	: 63000:	9300	: 13000:	13300	: 10700	: 8700	: 8000	:	13.5	: 4.1:	17.9	: 16.7:	4.1	56.3	: 654	: A-F	: 7
3003	: 47300:	9000	: 7200:	8100	: 10300	: 5200	: 7500	:	18.4	: 4.3:	14.5	: 11.0:	4.3	52.5	: 517	: B-F	: 9
2x20	: 44600:	6900	: 14700:	11900	: 11100	:	:	:	12.5	: 17.0:	4.3	:	:	33.8	: 617	: B-D	: 9
2002	: 60100:	9400	: 18300:	15700	: 16700	:	:	:	15.0	: 11.3:	13.7	:	:	40.0	: 780	: B-D	: 9
3003	: 63400:	8700	: 9800:	10800	: 11800	: 11700	: 10600	:	14.0	: 4.3:	14.0	: 17.6:	4.3	54.2	: 682	: B-F	: 9
3003	: 65100:	8600	: 12800:	12900	: 9800	: 9500	: 11500	:	18.0	: 4.3:	13.3	: 14.5:	4.3	54.4	: 740	: B-F	: 9
3003	: 46400:	9000	: 12000:	11800	: 4700	: 4500	: 4400	:	18.0	: 4.3:	13.3	: 14.5:	4.3	54.4	: 537	: B-C	: 9
3002	: 59700:	7700	: 10700:	9400	: 16000	: 15900	:	:	15.7	: 4.3:	12.3	: 20.0:	:	52.3	: 679	: B-E	: 9
3x20	: 64200:	8800	: 14400:	14300	: 12600	: 14100	:	:	14.6	: 4.0:	16.9	: 4.0:	:	39.5	: 854	: B-E	: 11
2002	: 58200:	7700	: 18300:	15500	: 16700	:	:	:	14.9	: 12.8:	13.4	:	:	41.1	: 763	: B-D	: 11
2x20	: 51600:	6000	: 18100:	15200	: 12300	:	:	:	15.0	: 17.7:	4.3	:	:	37.0	: 735	: B-D	: 11
2002	: 59400:	8700	: 18500:	15500	: 16700	:	:	:	14.9	: 12.8:	13.4	:	:	41.1	: 766	: B-D	: 11
3003	: 39800:	9000	: 9500:	8600	: 6100	: 3000	: 3600	:	18.7	: 4.3:	14.0	: 11.5:	4.3	52.8	: 431	: A-D	: 11
3003	: 54900:	8800	: 14500:	14800	: 7400	: 4800	: 4600	:	17.1	: 4.3:	12.0	: 13.5:	4.3	51.2	: 661	: B-C	: 11
2x20	: 46500:	5800	: 16900:	13000	: 10800	:	:	:	13.5	: 17.0:	4.3	:	:	34.8	: 664	: B-D	: 11
2x10	: 34300:	4800	: 16000:	13500	:	:	:	:	13.5	: 17.0:	:	:	:	30.5	: 518	: B-C	: 11
2x20	: 52100:	7000	: 19000:	13100	: 13000	:	:	:	15.0	: 17.8:	4.0	:	:	36.8	: 730	: B-D	: 11
2002	: 35000:	5600	: 17800:	5500	: 6100	:	:	:	17.1	: 12.7:	9.0	:	:	38.8	: 476	: B-D	: 11
2x20	: 52000:	6200	: 17900:	13100	: 14800	:	:	:	13.6	: 14.4:	4.2	:	:	:	:	:	: 11
3002	: 46000:	10700	: 12600:	12100	: 5500	: 5100	:	:	17.3	: 4.4:	12.3	: 15.5:	:	49.5	: 574	: A-C	: 13
2002	: 44100:	7200	: 18700:	9300	: 8900	:	:	:	15.0	: 10.0:	11.1	:	:	36.1	: 604	: B-D	: 13
3003	: 67900:	9700	: 9600:	9000	: 18200	: 10500	: 10900	:	12.7	: 4.4:	13.6	: 14.5:	4.4	49.6	: 758	: A-F	: 13
3003	: 63300:	9400	: 12200:	12200	: 11300	: 11100	: 11100	:	17.7	: 4.3:	14.9	: 12.0:	4.3	53.2	: 767	: B-F	: 17
3003	: 71500:	9800	: 12900:	14000	: 14300	: 10300	: 9600	:	17.7	: 4.3:	14.9	: 12.0:	4.3	53.2	: 817	: B-F	: 17
2002	: 54900:	7000	: 17400:	15100	: 15400	:	:	:	14.9	: 9.4:	13.4	:	:	37.7	: 763	: B-D	: 30
2002	: 53100:	6100	: 17300:	14400	: 15300	:	:	:	14.9	: 9.4:	13.4	:	:	37.7	: 748	: B-D	: 30

Table W-6 (Cont'd)

State of Montana

Vehicle type	Weight	Axle loads						Axle spacing						Maximum value of c <sup>1</sup>	Station
designation		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	Wheel base	Value	at which weighed
	pounds	pounds	pounds	pounds	pounds	pounds	pounds	feet	feet	feet	feet	feet	feet	feet	
3002	53500	5700	11400	13100	10800	12500		13.1	3.5	10.7	12.1		39.4	721	B-E : 30
2220	53200	8500	19100	12600	13000			13.3	18.4	4.4			36.1	712	B-D : 30
2x20	46000	5600	15200	12700	12500			13.6	16.6	4.5			34.7	661	B-D : 30
2002	58900	8400	18300	15500	16700			14.9	9.4	13.4			37.7	804	B-D : 30
2002	52200	6300	17100	14000	14800			14.9	9.4	13.4			37.7	731	B-D : 30
2x20	50500	5800	17400	12900	14400			13.8	17.9	4.1			35.8	721	B-D : 30
2x20	51400	5800	18400	13400	13800			13.8	17.9	4.1			35.8	735	B-D : 30
2x20	52400	6900	17500	14100	13900			13.8	17.9	4.1			35.8	734	B-D : 30
2002	54100	6700	16600	15200	15600			13.3	9.6	9.9			32.8	797	B-D : 30
2002	59600	6900	18100	16600	18000			13.3	9.6	9.9			32.8	886	B-D : 30
2002	51800	5900	14800	14900	16200			13.3	9.6	9.9			32.8	771	B-D : 30
2002	53200	6900	17000	14100	15200			13.3	9.6	9.9			32.8	778	B-D : 30
2x10	37600	4100	17200	16300				13.2	13.5				26.7	626	B-C : 30
2002	47100	5900	14100	13600	13500			13.3	9.6	9.9			32.8	692	B-D : 30
2002	56300	6600	18000	14800	16900			13.3	9.6	9.9			32.8	835	B-D : 30
2002	47200	7100	16300	12200	11600			13.3	9.6	9.9			32.8	674	B-D : 30
2x10	38900	4800	16800	17300				13.2	13.5				26.7	637	B-C : 30
2x20	48000	6000	17100	12800	12100			13.3	18.4	4.4			36.1	669	B-D : 30
2002	54400	6400	16900	15300	15800			14.9	9.4	13.4			37.7	764	B-D : 30
3x20	54100	8500	14500	13500	8300	9300		14.6	4.1	17.0	4.0		39.7	700	B-E : 30
3002	48700	5100	11300	10100	10800	11400		13.1	3.5	10.7	12.1		39.4	658	B-E : 30
2002	53200	6800	16900	14500	15000			14.9	9.4	13.4			37.7	739	B-D : 30
2002	52300	6600	16600	15400	13700			14.9	9.4	13.4			37.7	728	B-D : 30
2x20	50400	5500	17500	15500	11900			13.3	18.4	4.4			36.1	715	B-D : 30
2x10	34000	4200	16300	13500				13.2	13.5				26.7	557	B-C : 30
3002	50900	5700	11200	10900	10900	12200		13.1	3.4	10.6	12.1		39.2	684	B-E : 30
3003	59100	4100	16800	15500	8600	7600	6500	13.9	4.1	14.0	18.0	4.1	54.1	732	B-C : 36
2002	46600	4600	13000	13800	14400			14.9	9.4	13.4			37.7	669	B-D : 36
2x20	46200	6100	16300	12600	11200			13.6	16.2	4.2			34.0	664	B-D : 36
2x20	35100	4700	12900	8500	9000			11.4	13.9	4.0			29.3	525	B-D : 36
3000	29400	4300	13200	11900				12.0	3.5				15.5	577	B-C : 36
3000	37500	7800	14400	15300				16.6	4.4				21.0	669	B-C : 36
2x10	38300	4900	18700	14700				12.4	16.6				29.0	590	B-C : 36
2x10	41800	5800	18100	17900				13.5	17.9				31.4	622	B-C : 41
2x10	41600	5600	18100	17900				15.0	16.9				31.9	633	B-C : 41

Table W-6 (cont'd)

Vehicle type	: Total :	Axle loads						Axle spacing						: Wheel :	: Maximum value of c <sup>1</sup> :	: Station
designation	Weight:	A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	base	Value	Axle group <sup>2</sup>	at which weighed
	pounds:	pounds:	pounds:	pounds:	pounds:	pounds:	pounds:	feet:	feet:	feet:	feet:	feet:	feet:			
3003	: 64100:	8400:	10200:	10800:	15000:	10000:	9700:	13.9:	4.1:	14.0:	18.0:	4.1:	54.1:	: 695 :	B-F	: 41
3003	: 47900:	8300:	10500:	11500:	6900:	5700:	5000:	13.6:	4.4:	13.5:	17.3:	4.4:	53.2:	: 522 :	A-C	: 41
3003	: 65500:	9300:	14200:	14500:	10000:	8600:	8900:	13.9:	4.1:	14.0:	18.0:	4.1:	54.1:	: 701 :	B-F	: 41
2x10	: 39400:	5800:	16400:	17200:	:	:	:	12.6:	21.1:	:	:	:	33.7:	: 550 :	B-C	: 41
2x10	: 41200:	5300:	18700:	17200:	:	:	:	13.5:	17.9:	:	:	:	31.4:	: 620 :	B-C	: 41
2x20	: 49300:	6300:	17000:	14200:	11800:	:	:	16.0:	13.9:	4.2:	:	:	34.1:	: 740 :	B-D	: 41
2x10	: 34100:	5000:	16600:	12500:	:	:	:	12.5:	20.4:	:	:	:	32.9:	: 482 :	B-C	: 43
2x10	: 34200:	5000:	16600:	12600:	:	:	:	12.5:	20.4:	:	:	:	32.9:	: 483 :	B-C	: 43
2x20	: 48000:	6300:	20900:	11100:	9700:	:	:	12.6:	19.2:	4.3:	:	:	36.1:	: 657 :	B-D	: 45
2x10	: 41100:	5700:	18000:	17400:	:	:	:	13.2:	13.5:	:	:	:	26.7:	: 662 :	B-C	: 45
2x10	: 39100:	4400:	17800:	16900:	:	:	:	15.0:	16.9:	:	:	:	31.9:	: 610 :	B-C	: 45
2x10	: 35700:	4400:	17300:	14000:	:	:	:	15.0:	16.9:	:	:	:	31.9:	: 550 :	B-C	: 45
3000	: 28400:	5100:	11800:	11500:	:	:	:	13.0:	3.7:	:	:	:	16.7:	: 533 :	B-C	: 50
2x20	: 36000:	6900:	14700:	7300:	7100:	:	:	12.4:	12.9:	4.0:	:	:	29.3:	: 519 :	A-D	: 50
3000	: 27800:	5800:	11400:	10600:	:	:	:	15.4:	3.6:	:	:	:	19.0:	: 505 :	B-C	: 50
2x20	: 37500:	6100:	18500:	7000:	5900:	:	:	12.5:	19.5:	4.0:	:	:	36.0:	: 494 :	B-D	: 50
2x20	: 45800:	6600:	17200:	10600:	11400:	:	:	12.0:	21.8:	4.0:	:	:	37.8:	: 596 :	B-D	: 51
3000	: 27400:	5600:	11100:	10700:	:	:	:	14.5:	3.9:	:	:	:	18.4:	: 497 :	B-C	: 51
3003	: 35600:	8300:	6100:	5600:	5600:	5200:	4800:	13.7:	4.3:	14.0:	17.9:	4.3:	54.2:	: 378 :	A-F	: 51
2x10	: 38600:	5400:	16700:	16500:	:	:	:	11.7:	17.8:	:	:	:	29.5:	: 574 :	B-C	: 54
2x20	: 43900:	5900:	15200:	12800:	10000:	:	:	13.4:	15.6:	4.3:	:	:	33.3:	: 634 :	B-D	: 54
2002	: 51900:	7700:	16200:	13800:	14200:	:	:	15.0:	11.5:	14.0:	:	:	40.5:	: 675 :	B-D	: 54
2x10	: 38000:	4700:	17200:	16100:	:	:	:	12.5:	19.9:	:	:	:	32.4:	: 556 :	B-C	: 54
2x20	: 45300:	5300:	15800:	12800:	11400:	:	:	13.5:	14.7:	4.3:	:	:	32.5:	: 678 :	B-D	: 54
2002	: 55800:	5700:	17600:	15500:	17000:	:	:	15.4:	10.4:	14.6:	:	:	40.4:	: 771 :	B-D	: 54
2x10	: 41700:	5900:	17800:	18000:	:	:	:	13.6:	17.9:	:	:	:	31.5:	: 618 :	E-C	: 54
2x10	: 37800:	5000:	17100:	15700:	:	:	:	12.5:	19.9:	:	:	:	32.4:	: 548 :	B-C	: 54
2x20	: 45200:	5400:	15800:	12500:	11500:	:	:	13.5:	14.7:	4.3:	:	:	32.5:	: 675 :	B-D	: 54
3003	: 35500:	7200:	7200:	6600:	7200:	3100:	4200:	13.9:	4.3:	13.9:	17.8:	4.3:	54.2:	: 391 :	A-D	: 54
3003	: 60600:	8300:	11400:	12600:	10700:	8900:	8700:	13.9:	4.3:	13.9:	17.8:	4.3:	54.2:	: 651 :	B-F	: 54
2x10	: 39600:	5600:	19600:	14400:	:	:	:	12.5:	21.4:	:	:	:	33.9:	: 554 :	B-C	: 54
3003	: 40600:	7100:	7100:	6700:	8400:	5100:	6200:	13.9:	4.3:	13.9:	17.8:	4.3:	54.2:	: 431 :	A-F	: 54
3003	: 43100:	6900:	7400:	7100:	9000:	6000:	6700:	13.9:	4.3:	13.9:	17.8:	4.3:	54.2:	: 458 :	A-F	: 54
2x10	: 42100:	6200:	17800:	18100:	:	:	:	13.6:	17.9:	:	:	:	31.5:	: 620 :	B-C	: 54
2002	: 52400:	9900:	14000:	13900:	14600:	:	:	17.5:	11.3:	21.0:	:	:	49.8:	: 588 :	B-D	: 55
2x20	: 53200:	10600:	16500:	13000:	13100:	:	:	13.4:	18.3:	4.2:	:	:	35.9:	: 701 :	B-D	: 55

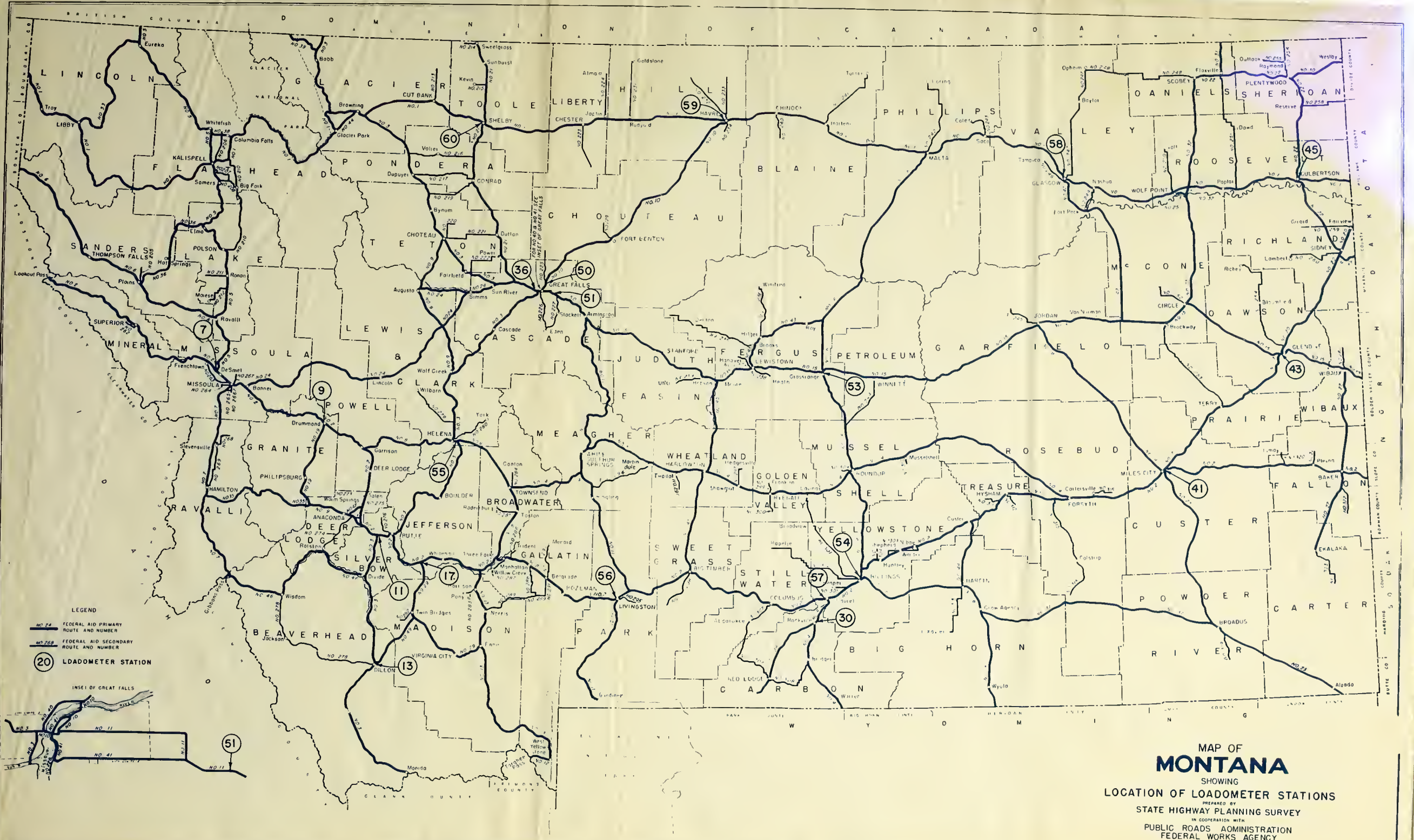
Table W-6 (cont'd)

Vehicle type	: Total :	Axle loads						Axle spacing						: Wheel:	: Maximum value of c <sup>1</sup> :	: Station
designation:	Weight:	A :	B :	C :	D :	E :	F :	A-B :	B-C :	C-D :	D-E :	E-F :	base:	Value:	Axle group <sup>2</sup>	weighed
	pounds:	pounds:	pounds:	pounds:	pounds:	pounds:	pounds:	feet:	feet:	feet:	feet:	feet:	feet:	:		
2x20	: 51800:	7100 :	18000:	12700:	14000 :	:	:	:13.5:	16.4:	4.0:	:	:	:33.9 :	740 :	B-D	: 54
2002	: 64300:	11000 :	18400:	17000:	17900 :	:	:	:17.7:	13.3:	22.0:	:	:	:53.0 :	708 :	B-D	: 55
3003	: 58000:	8800 :	10600:	10800:	10900 :	7900 :	9000 :	:17.1:	4.3:	12.0:	13.5:	4.3:	:51.2 :	664 :	B-F	: 56
2x10	: 37800:	4600 :	15700:	17500:	:	:	:	:11.7:	15.8:	:	:	:	:27.5 :	595 :	B-C	: 56
3003	: 48100:	8000 :	9800:	10600:	11400 :	4200 :	4100 :	:17.1:	4.3:	12.0:	13.5:	4.3:	:51.2 :	565 :	B-D	: 56
2x20	: 52000:	7800 :	20300:	10700:	13200 :	:	:	:13.9:	14.0:	4.3:	:	:	:32.2 :	758 :	B-D	: 56
3x20	: 62800:	8500 :	13700:	13400:	13100 :	14100 :	:	:14.7:	4.3:	17.3:	4.3:	:	:40.6 :	824 :	B-E	: 56
2002	: 55000:	7700 :	16500:	14700:	16100 :	:	:	:15.0:	12.9:	13.5:	:	:	:41.4 :	712 :	B-D	: 57
3002	: 69200:	9100 :	13700:	14200:	16000 :	16200 :	:	:14.0:	4.3:	9.5:	12.4:	:	:40.2 :	908 :	B-E	: 57
3002	: 50300:	7400 :	14700:	10900:	8500 :	8800 :	:	:14.5:	3.9:	11.9:	9.8:	:	:40.1 :	654 :	B-E	: 57
3003	: 61400:	9000 :	11200:	11000:	12500 :	9200 :	8500 :	:13.7:	4.4:	14.0:	17.9:	4.4:	:54.4 :	650 :	A-F	: 57
2x10	: 35600:	4500 :	13800:	17300:	:	:	:	:13.2:	13.5:	:	:	:	:26.7 :	581 :	B-C	: 57
3003	: 62900:	9500 :	11100:	10700:	11800 :	9800 :	10000 :	:13.7:	4.4:	14.0:	17.9:	4.4:	:54.4 :	666 :	A-F	: 57
3002	: 52400:	9500 :	11000:	12500:	11800 :	7600 :	:	:13.6:	4.3:	17.0:	20.0:	:	:54.9 :	598 :	A-D	: 57
3003	: 41600:	10100 :	9700:	9800:	4500 :	3700 :	3800 :	:13.7:	4.4:	14.0:	17.9:	4.4:	:54.4 :	509 :	A-C	: 57
3x10	: 44600:	6400 :	12500:	13900:	11800 :	:	:	:13.6:	4.3:	16.1:	:	:	:34.0 :	632 :	B-D	: 57
3003	: 60400:	8600 :	12100:	11600:	12000 :	8100 :	8000 :	:13.7:	4.4:	14.0:	17.9:	4.4:	:54.4 :	642 :	B-F	: 57
3003	: 66800:	11300 :	12900:	13300:	10600 :	9100 :	9600 :	:13.7:	4.4:	14.0:	17.9:	4.4:	:54.4 :	708 :	A-F	: 57
2x20	: 34600:	5200 :	14600:	8600:	6200 :	:	:	:13.5:	17.9:	4.3:	:	:	:35.7 :	473 :	B-D	: 58
2x20	: 46900:	5000 :	17600:	11400:	12900 :	:	:	:13.5:	17.9:	4.1:	:	:	:35.5 :	676 :	B-D	: 59
2x20	: 34200:	6500 :	12700:	7700:	7300 :	:	:	:13.5:	17.9:	4.1:	:	:	:35.5 :	453 :	A-D	: 59
2x10	: 39800:	6500 :	17400:	15900:	:	:	:	:11.1:	18.3:	:	:	:	:29.4 :	573 :	A-C	: 59
2x10	: 38100:	6300 :	15800:	16000:	:	:	:	:13.5:	15.5:	:	:	:	:29.0 :	573 :	B-C	: 60
2002	: 53600:	9300 :	18100:	12600:	13600 :	:	:	:16.0:	11.5:	13.5:	:	:	:41.0 :	682 :	B-D	: 60
2x20	: 48100:	5700 :	16400:	13300:	12700 :	:	:	:13.4:	14.9:	14.3:	:	:	:42.6 :	613 :	B-D	: 60
2x10	: 36100:	6900 :	13900:	15300:	:	:	:	:13.4:	26.7:	:	:	:	:40.1 :	451 :	A-C	: 60
2x10	: 39000:	6200 :	17000:	15800:	:	:	:	:11.2:	18.3:	:	:	:	:29.5 :	563 :	B-C	: 60
3002	: 57800:	11000 :	11500:	11500:	13100 :	10700 :	:	:20.1:	4.0:	14.6:	16.6:	:	:55.3 :	622 :	B-E	: 60
2002	: 57300:	5400 :	14800:	9000:	8100 :	:	:	:14.9:	11.9:	11.2:	:	:	:38.0 :	506 :	B-D	: 60
2x20	: 44100:	5800 :	17000:	10400:	10900 :	:	:	:12.5:	21.7:	4.1:	:	:	:38.3 :	582 :	B-D	: 60
2x20	: 45200:	5700 :	15700:	12300:	11500 :	:	:	:13.5:	14.6:	4.0:	:	:	:32.1 :	674 :	B-D	: 60
2x10	: 34900:	4900 :	17100:	12900:	:	:	:	:14.9:	20.7:	:	:	:	:35.6 :	494 :	B-C	: 60
2x20	: 46000:	5900 :	17600:	11500:	11000 :	:	:	:11.5:	18.0:	3.9:	:	:	:33.4 :	648 :	B-D	: 60

1. Highest value of 'c' in the formula:  $c = \frac{W}{L}$  in which L is the distance in feet between the first and

last axle of the vehicle or of any interior group of axles, and W is the total weight of the vehicle or of the interior group of axles.

2. Designate the outside axles of the group having the highest value of c in the formula as, for example, 'B-C, or 'A-C'



MAP OF  
**MONTANA**  
SHOWING  
LOCATION OF LOADOMETER STATIONS  
PREPARED BY  
STATE HIGHWAY PLANNING SURVEY  
IN COOPERATION WITH  
PUBLIC ROADS ADMINISTRATION  
FEDERAL WORKS AGENCY